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PE NUMBER: 0308699F

PE TITLE: Shared Early Warning System

Exhibit R-2, RDT&E Budget Item Justification

DATE

February 2004

BUDGET ACTIVITY

07 Operational System Development

PE NUMBER AND TITLE

0308699F Shared Early Warning System

Cost (\$ in Millions)	FY 2003 Actual	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	Cost to Complete	Total
Total Program Element (PE) Cost	3.604	3.210	3.345	3.376	3.423	3.476	3.531	Continuing	TBD
4838 Shared Early Warning System	3.604	3.210	3.345	3.376	3.423	3.476	3.531	Continuing	TBD

(U) **A. Mission Description and Budget Item Justification**

The Shared Early Warning System (SEWS) resulted from Presidential foreign policy initiatives beginning in 1996. Arrangements are negotiated with individual countries on a bilateral basis to provide selected region-specific missile warning information. These efforts were initially handled on an ad hoc basis through the Office of the Secretary of Defense, the Joint Staff, and the National Reconnaissance Office (NRO). SEWS was established in December 1998 as a formal DoD program with the Air Force as the lead service. It is centrally managed to eliminate the previous ad hoc approach. Regional U.S. Theater Combatant Commanders and other policy makers strongly support these efforts based on political and operational benefits. SEWS is comprised of: program management by the System Program Office (including the use of Federally Funded Research & Development Centers (FFRDC) and Systems Engineering and Technical Assistance contractors); design, development, and acquisition of a common SEWS architecture; design, development, and test of a Joint Data Exchange Center (JDEC) in Moscow, Russia; development of a multi-lingual, web-based infrastructure to provide Pre-Launch Notification System information; and site preparation for additional systems, as required.

This program is in Budget Activity 7 - Operational System Development, because it supports work on currently operating systems and/or upgrades still in engineering development

(U) **B. Program Change Summary (\$ in Millions)**

	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>
(U) Previous President's Budget	4.027	3.254	3.354
(U) Current PBR/President's Budget	3.604	3.210	3.345
(U) Total Adjustments	-0.423	-0.044	
(U) Congressional Program Reductions	-0.002	-0.016	
Congressional Rescissions	-0.043	-0.028	
Congressional Increases			
Reprogrammings	-0.132		
SBIR/STTR Transfer	-0.246		
(U) <u>Significant Program Changes:</u>			

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Exhibit R-2a, RDT&E Project Justification

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0308699F Shared Early Warning System

PROJECT NUMBER AND TITLE

4838 Shared Early Warning System

Cost (\$ in Millions)	FY 2003 Actual	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	Cost to Complete	Total
4838 Shared Early Warning System	3.604	3.210	3.345	3.376	3.423	3.476	3.531	Continuing	TBD
Quantity of RDT&E Articles	0	0	0	0	0	0	0		

(U) **A. Mission Description and Budget Item Justification**

The Shared Early Warning System (SEWS) resulted from Presidential foreign policy initiatives beginning in 1996. Arrangements are negotiated with individual countries on a bilateral basis to provide selected region-specific missile warning information. These efforts were initially handled on an ad hoc basis through the Office of the Secretary of Defense, the Joint Staff, and the National Reconnaissance Office (NRO). SEWS was established in December 1998 as a formal DoD program with the Air Force as the lead service. It is centrally managed to eliminate the previous ad hoc approach. Regional U.S. Theater Combatant Commanders and other policy makers strongly support these efforts based on political and operational benefits. SEWS is comprised of: program management by the System Program Office (including the use of Federally Funded Research & Development Centers (FFRDC) and Systems Engineering and Technical Assistance contractors); design, development, and acquisition of a common SEWS architecture; design, development, and test of a Joint Data Exchange Center (JDEC) in Moscow, Russia; development of a multi-lingual, web-based infrastructure to provide Pre-Launch Notification System information; and site preparation for additional systems, as required.

This program is in Budget Activity 7 - Operational System Development, because it supports work on currently operating systems and/or upgrades still in engineering development

(U) **B. Accomplishments/Planned Program (\$ in Millions)**

	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>
(U) Accomplishments/Planned Program	0.000	0.000	0.000
(U) Continue SEWS design, development, and test efforts to include but not be limited to: SEWS common architecture, SEWS initiatives as identified by theater commanders, a JDEC system planned to be installed in Moscow, and a Pre-Launch Notification System.	3.604	3.210	3.345
(U) Total Cost	3.604	3.210	3.345

(U) **C. Other Program Funding Summary (\$ in Millions)**

	<u>FY 2003</u> <u>Actual</u>	<u>FY 2004</u> <u>Estimate</u>	<u>FY 2005</u> <u>Estimate</u>	<u>FY 2006</u> <u>Estimate</u>	<u>FY 2007</u> <u>Estimate</u>	<u>FY 2008</u> <u>Estimate</u>	<u>FY 2009</u> <u>Estimate</u>	<u>Cost to</u> <u>Complete</u>	<u>Total Cost</u>
(U) Other APPN OPAF (PE 0308699F, Comm									
(U) Elect Mods, P-1 Line Item #75, BA 3)	1.673	0.192	0.286	1.518	0.285	0.292	0.298	Continuing	TBD

Note: Fiscal years 2003 and 2006 provide for major technological refreshes of the SEWS system.

(U) **D. Acquisition Strategy**

SEWS employs an incremental development acquisition strategy which enables rapid development and fielding of capability increments in response to validated

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R-1 Shopping List - Item No. 207-3 of 207-7

Exhibit R-2a (PE 0308699F)

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Exhibit R-2a, RDT&E Project Justification		DATE February 2004
BUDGET ACTIVITY 07 Operational System Development	PE NUMBER AND TITLE 0308699F Shared Early Warning System	PROJECT NUMBER AND TITLE 4838 Shared Early Warning System
<p>requirements.</p>		
<p>Project 4838</p>		

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Exhibit R-3, RDT&E Project Cost Analysis

DATE

February 2004

BUDGET ACTIVITY

07 Operational System Development

PE NUMBER AND TITLE

0308699F Shared Early Warning System

PROJECT NUMBER AND TITLE

4838 Shared Early Warning System

(U) Cost Categories (Tailor to WBS, or System/Item Requirements) (\$ in Millions)	<u>Contract Method & Type</u>	<u>Performing Activity & Location</u>	<u>Total</u> <u>Prior to FY</u> <u>2003</u> <u>Cost</u>	<u>FY</u> <u>2003</u> <u>Cost</u>	<u>FY</u> <u>2003</u> <u>Award</u> <u>Date</u>	<u>FY</u> <u>2004</u> <u>Cost</u>	<u>FY</u> <u>2004</u> <u>Award</u> <u>Date</u>	<u>FY</u> <u>2005</u> <u>Cost</u>	<u>FY</u> <u>2005</u> <u>Award</u> <u>Date</u>	<u>Cost to</u> <u>Complete</u>	<u>Total</u> <u>Cost</u>	<u>Target</u> <u>Value of</u> <u>Contract</u>
(U) <u>Product Development</u>												
Lockheed Martin	SS/CPAF	Colorado Springs, CO	7.015	2.100	Oct-03	1.018	Oct-04	1.559	Oct-05	Continuing	TBD	TBD
SPAWAR	MIPR	San Diego, CA	0.631							0.000	0.631	
NRO	MIPR	Washington, DC	4.162							0.000	4.162	
Navy	MIPR	San Diego, CA	0.000	0.353	Apr-03	0.363	Apr-04	0.376	Apr-05	Continuing	TBD	TBD
DTRA	MIPR	Alexandria, VA	0.187			0.369	Jul-04			Continuing	TBD	TBD
Various Ctrs/Gov Agencies	MIPR/AF		2.844	0.054	Jan-03	0.120	Jan-04	0.021	Jan-05	Continuing	TBD	TBD
Subtotal Product Development			14.839	2.507		1.870		1.956		Continuing	TBD	TBD
Remarks:												
(U) <u>Support</u>												
MITRE	SS/CPFF	Colorado Springs, CO	2.021	0.242	Oct-02	0.500	Oct-03	0.518	Oct-04	Continuing	TBD	TBD
A&AS	C/R	Colorado Springs, CO	3.298	0.585	Oct-02	0.763	Oct-03	0.790	Oct-04	Continuing	TBD	TBD
PMA	N/A	Colorado Springs, CO	1.148	0.270	Jan-03	0.010	Oct-03	0.010	Oct-04	Continuing	TBD	TBD
Subtotal Support			6.467	1.097		1.273		1.318		Continuing	TBD	TBD
Remarks:												
(U) <u>Test & Evaluation</u>												
AFSPC 17th Test Squadron	AF	Shriever AFB, Colorado Springs, CO	0.328	0.000		0.067	Aug-04	0.071	Aug-05	Continuing	TBD	TBD
Subtotal Test & Evaluation			0.328	0.000		0.067		0.071		Continuing	TBD	TBD
Remarks:												
(U) Total Cost			21.634	3.604		3.210		3.345		Continuing	TBD	TBD

Exhibit R-4, RDT&E Schedule Profile

DATE

February 2004

BUDGET ACTIVITY

07 Operational System Development

PE NUMBER AND TITLE

0308699F Shared Early Warning System

PROJECT NUMBER AND TITLE	DATE	STATUS	REMARKS
1. Project A: Development of a new software module for data analysis.	2023-10-26	Completed	Final review and deployment.
2. Project B: Implementation of a new database schema for customer information.	2023-10-26	In Progress	Design phase complete, development underway.
3. Project C: Integration of a new API for external service providers.	2023-10-26	On Hold	Waiting for external service provider response.
4. Project D: Optimization of the existing system for improved performance.	2023-10-26	Planned	Initial assessment and planning.
5. Project E: Migration of legacy data to the new system.	2023-10-26	Completed	Data successfully migrated and verified.

4838 Shared Early Warning System

Exhibit R-4 SEWS

[illegible]

★ Major Event or Milestone

 *Planned Ongoing Activity*

██████████ Ongoing Activity that is Complete

▲ Completed Event

Δ *Planned Task(s)*

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Exhibit R-4a, RDT&E Schedule Detail		DATE
BUDGET ACTIVITY 07 Operational System Development	PE NUMBER AND TITLE 0308699F Shared Early Warning System	PROJECT NUMBER AND TITLE 4838 Shared Early Warning System
(U) <u>Schedule Profile</u>		
(U) Incremental development of common system architecture	<u>FY 2003</u> 1-3Q	<u>FY 2004</u> 1-3Q
		<u>FY 2005</u> 1-3Q

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R-1 Shopping List - Item No. 207-7 of 207-7

Exhibit R-4a (PE 0308699F)

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